

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	47	latic\$6 with ((information\$4 data) near3 field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:45
L2	1	latic\$6 with ((information\$4 data) near3 field\$4) and "704"/.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:46
L3	1	latic\$6 same ((information\$4 data) near3 field\$4) and "704"/.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:46
L4	96	latic\$6 same ((information\$4 data) near3 field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:46
L5	49	l4 not l1	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:47
L6	260	latic\$4 and (languag\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:48
L7	59	latic\$4 with (languag\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:48
L8	4	latic\$4 with (languag\$4 near model\$4) same concatenat\$6	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:51
L9	1	latic\$4 with concatenat\$6 same (languag\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:54
L10	39	latic\$4 with concatenat\$6	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:56
L11	15	latic\$4 with (languag\$4 near model\$4) same (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:52
L12	14	latic\$4 with (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) same (languag\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:54
L13	1452	latic\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6)	US-PGPUB; USPAT	OR	OFF	2006/08/20 11:56
L14	2	latic\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) same (languag\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 12:00
L15	1452	latic\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6)	US-PGPUB; USPAT	OR	OFF	2006/08/20 12:00
L16	19	latic\$4 near (concatenat\$6 combin\$6 link\$5 chain\$4 couple\$4 join\$4 integrat\$6) and (languag\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 12:03

## EAST Search History

L17	33	lattice\$4 same ((data\$4 information\$4) near field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 12:09
L18	36	(language\$4 near model\$5) same ((data\$4 information\$4) near field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 12:36
L19	1	"6581033".pn. and interface\$4	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:17
L20	2984621	"6581033".pn. and user\$4 near select\$6	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:18
L21	1	"6581033".pn. and (user\$4 near select\$6)	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:19
L22	1	"6581033".pn. and (user\$4 with select\$6)	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:19
L23	158	user\$4 near select\$6 near (data information) near3 field\$4	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:33
L24	217	user\$4 near select\$6 near ((data information) near3 field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:33
L25	2	user\$4 near select\$6 near ((data information) near3 field\$4) and (lattice or (language\$4 near model\$4))	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:50
L26	0	"09935562"	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:38
L27	4	"6760720"	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:39
L28	1	"6760720".pn.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:39
L29	1	"6760720".pn. and user near4 select\$5	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:39
L30	1	"6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:40
L31	0	"6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and lattice	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:40
L32	0	"6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and lattice\$4	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:40
L33	0	"6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and language\$4 near model\$4	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:40
L34	0	"6760720".pn. and user near4 select\$5 and ((data information) near3 field\$4) and (language\$4 near model\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:41

## EAST Search History

L35	217	user\$4 near select\$6 near ((data information) near3 field\$4)	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:51
L36	4	user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:52
L37	0	"2983187".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:52
L38	0	"2983197".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:52
L39	0	"5983197".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:52
L40	1	"5983187".pn. and user\$4 near select\$6 near ((data information) near3 field\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:52
L41	1	"5983187".pn. and user\$4 near select\$6 and ((data information) near3 field\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/08/20 13:52
S1	1117	latic\$4 and speech\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 14:59
S2	17	concatenat\$5 same latic\$4 and speech\$4 and model\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:00
S3	13	concatenat\$5 same latic\$4 and speech\$4 and model\$4 same languag\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:00
S4	7	concatenat\$5 same latic\$4 and speech\$4 and model\$4 same languag\$4 and scor\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:00
S5	1	concatenat\$5 same latic\$4 and speech\$4 and model\$4 same languag\$4 and scor\$4 and confidenc\$4 and asr	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:00
S6	3	concatenat\$5 same latic\$4 and speech\$4 and model\$4 same languag\$4 and scor\$4 and confidenc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:01
S7	21	concatenat\$5 same latic\$4 and speech\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:05
S8	207	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same latic\$4 and speech\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:24
S9	39	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same latic\$4 and speech\$4 and transduc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:06

## EAST Search History

S10	13	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:07
S11	1	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and pda\$2	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:07
S12	0	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:07
S13	9	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:07
S14	1	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and satellit\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:08
S15	5	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless)	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:22
S16	1	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless) and environment\$4 same acoustic\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:09
S17	5	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless) and environment\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:09
S18	4	((concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4) not ((concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and transduc\$4 and hmm\$2 and network\$4 and (mobil\$5 or cell\$4 or wireless))	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:22
S19	10	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and re\$4scor\$4	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:56

## EAST Search History

S20	2	(concatenat\$5 or combin\$7 or link\$4 or chain\$4) same lattic\$4 and speech\$4 and re\$4scor\$4 and asr	US-PGPUB; USPAT	OR	OFF	2004/08/24 15:46
S21	10	(concatenat\$5 or combin\$7 or link\$4 or chain\$4 or cluster\$4) same lattic\$4 and speech\$4 and re\$4scor\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 11:39
S22	2	(concatenat\$5 or combin\$7 or link\$4 or chain\$4 or cluster\$4) same lattic\$4 and speech\$4 and re\$4scor\$4 and pda\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 11:40
S23	12	(concatenat\$5 or combin\$7 or link\$4 or chain\$4 or cluster\$4) same lattic\$4 and speech\$4 and pda\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 11:40
S24	0	"5964810".pn. and utteranc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 12:22
S25	0	"5964810".pn. and speech\$4 near input\$5	US-PGPUB; USPAT	OR	OFF	2004/08/26 12:18
S26	1	"6581033".pn. and languag\$4 near model\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 12:18
S27	1	"6581033".pn. and languag\$4 near model\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 12:18
S28	1	"5864810".pn. and utteranc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 12:22
S29	0	"5864810".pn. and network\$4	US-PGPUB; USPAT	OR	OFF	2004/08/26 14:11
S30	2	"20020052742"	US-PGPUB; USPAT	OR	OFF	2004/08/26 14:11
S31	0	"20020052742" and transduc\$5	US-PGPUB; USPAT	OR	OFF	2004/08/26 14:11
S32	2	"20020052742" and network\$5	US-PGPUB; USPAT	OR	OFF	2004/08/26 14:12
S33	0	"20020052742" and transduc\$5	US-PGPUB; USPAT	OR	OFF	2004/08/26 14:12
S34	2	"20020052742"	US-PGPUB; USPAT	OR	OFF	2004/08/27 12:03
S35	2	"20020052742" and controll\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 12:55
S36	0	"6304844".pn. and transduc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 12:55
S37	0	"6304844".pn. and transduc\$7	US-PGPUB; USPAT	OR	OFF	2004/08/27 12:56

## EAST Search History

S38	1	"6304844".pn. and (transfer\$5 and transform\$4)	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:00
S39	8	("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn.	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:01
S40	0	((("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn. ) and radio\$4 same frequenc\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:02
S41	6	((("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn. ) and microphon\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:02
S42	2	((("6304844" or "6233544" or "6243679" or "5864810" or "6581033" or "5712957" or "5797123" or "20020052742").pn. ) and microphon\$4 and transduc\$6	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:15
S43	1	"6304844".pn. and mobil\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:35
S44	0	"6304844".pn. and probab\$6	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:39
S45	1002	radio near frequenc\$5 same identif\$8 near tag\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:53
S46	87	radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:53
S47	21	radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:08
S48	19	radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 and environment\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:08
S49	9	radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 and environment\$4 and (mobil\$4)	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:01
S50	9	radio near frequenc\$5 same identif\$8 near tag\$4 and microphon\$4 and model\$4 and transduc\$6 and (mobil\$4)	US-PGPUB; USPAT	OR	OFF	2004/08/27 13:58

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S51	1	"6304844".pn. and distort\$5	US-PGPUB; USPAT	OR	OFF	2004/08/30 12:03
S52	1	"6304844".pn. and environment\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 12:03
S53	1	radio near frequenc\$5 same identif\$8 near tag\$4 and control\$6 and (mobil\$7 near devic\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:09
S54	46	radio near frequenc\$5 same identif\$8 near tag\$4 and control\$6 and (mobil\$7 near devic\$4)	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:16
S55	200	microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:18
S56	82	microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:29
S57	75	microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 and acoustic\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/30 13:30
S58	67	(microphon\$4 and environment\$4 and transduc\$4 and train\$4 same model\$4 and respon\$5 and acoustic\$4 and "704"/\$.ccls.) not pertrushin	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:32
S59	0	between\$4 same transduc\$4 near respon\$%	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:33
S60	1722	between\$4 same transduc\$4 near respon\$5	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:33
S61	3	between\$4 same transduc\$4 near respon\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:37
S62	34	between\$4 same microphon\$4\$4 near respon\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/30 15:01
S63	34	between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:38
S64	26	between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls. not pertrushin	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:38
S65	26	between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls. not pertrushin\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:38
S66	26	(between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls.) not pertrushin\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:42

## EAST Search History

S67	18	(between\$4 same microphon\$4 near plurality and "704"/\$.ccls.) not pertrushin\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:42
S68	15	((between\$4 same microphon\$4 near plurality and "704"/\$.ccls.) not pertrushin\$4) not ((between\$4 same microphon\$4 near respon\$5 and "704"/\$.ccls.) not pertrushin\$4)	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:42
S69	1	"5806029".pn. and distort\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 14:54
S70	1	"5806029".pn. and between\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 15:10
S71	1	"5806029".pn. and mobil\$4	US-PGPUB; USPAT	OR	OFF	2004/08/30 15:10
S72	1	"20020052742".did.	US-PGPUB; USPAT	OR	OFF	2005/04/01 12:30
S73	0	"20020052742".did. and compensat\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 12:38
S74	1	"20020052742".did. and adapt\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 12:39
S75	1	"20020052742".did. and var\$6	US-PGPUB; USPAT	OR	OFF	2005/04/01 12:39
S76	0	"20020052742".did. and (equal\$4 or equivalent\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/01 12:39
S77	1	"5806029".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:12
S78	8282	acoustic\$4 with microphon\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:12
S79	181	acoustic\$4 near environment\$4 with microphon\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:17
S80	2	distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:27
S81	2	distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:30
S82	0	distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 same respon\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:28
S83	0	distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 and respon\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:28

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S84	1	distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 and (mobil\$4 or hand\$4held\$4 or wireless\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:30
S85	1	distort\$5 with (microphon\$4 or tranduc\$4) same train\$4 near model\$5 and character\$6 and (mobil\$4 or hand\$4held\$4 or wireless\$4 or cell\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:34
S86	4	distort\$5 with acoustic\$4 near mismatch\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:34
S87	2	distort\$5 with acoustic\$4 near mismatch\$4 and train\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:34
S88	2	distort\$5 with acoustic\$4 near mismatch\$4 and train\$5 same model\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:40
S89	6920	(memor\$4 or storag\$4 or stor\$4 or databas\$4) with controll\$5 same model\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:41
S90	439	(memor\$4 or storag\$4 or stor\$4 or databas\$4) with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:42
S91	12	(memor\$4 or storag\$4 or stor\$4 or databas\$4) near coupl\$5 with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:42
S92	12	(memor\$4 or storag\$4 or stor\$4 or databas\$4) near coupl\$5 with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4) and (communicat\$5 or vocal\$4 or voic\$4 or transduc\$4 or microphon\$4 or acoustic\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:43
S93	3	(memor\$4 or storag\$4 or stor\$4 or databas\$4) near coupl\$5 with controll\$5 same model\$5 and recogni\$5 near (speech\$4 or voic\$4) and (communicat\$5 or vocal\$4 or voic\$4 or transduc\$4 or microphon\$4 or acoustic\$4) and compensat\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 13:44
S94	1	"6219645".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/01 14:51
S95	1	"6219645".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/01 14:58

## EAST Search History

S96	0	"6219645".pn. and acoustic\$4 same (microphon\$4 or transduc\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/01 14:59
S97	0	"6219645".pn. and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 14:59
S98	1	"6219645".pn. and environment\$4	US-PGPUB; USPAT	OR	OFF	2005/04/01 15:00
S99	1	"6219645".pn. and environment\$4 same (microphon\$4 or transduc\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/01 15:07
S100	1	"6219645".pn. and (nois\$5 or sound\$4 or interfer\$6) same (microphon\$4 or transduc\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/01 15:07
S101	12832	compensat\$5 same model\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 16:10
S102	22	compensat\$5 with model\$5 same ((speech\$4 or voice) near recogniz\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/01 16:11
S103	2	compensat\$5 with model\$5 same ((speech\$4 or voice) near recogniz\$5) and memor\$6 with controll\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 16:12
S104	4	compensat\$5 with model\$5 same ((speech\$4 or voice) near recogniz\$5) and memor\$6 same controll\$5	US-PGPUB; USPAT	OR	OFF	2005/04/01 16:12
S105	1	"6243679".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/19 17:28
S106	1	"6581033".pn. and model\$4 same latic\$4	US-PGPUB; USPAT	OR	OFF	2005/04/19 17:28
S107	1	"6169972".pn.	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:33
S108	1	"6169972".pn. and (speech\$4 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:34
S109	0	"6169972".pn. and (speech\$4 or voic\$4) and concaten\$6 same latic\$4	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:33
S110	1	"6169972".pn. and (speech\$4 or voic\$4) and latic\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:37
S111	0	"6169972".pn. and (speech\$4 or voic\$4) and latic\$5 and concaten\$7	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:34
S112	1	"6169972".pn. and (speech\$4 or voic\$4) and (combin\$7 or link\$5) same latic\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:35

## EAST Search History

S11 3	0	"6169972".pn. and (speech\$4 or voic\$4) and (combin\$7 or link\$5) same lattic\$5 and model\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:35
S11 4	0	"6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and compensat\$6	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:37
S11 5	0	"6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and acoustic\$4	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:37
S11 6	0	"6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and environment\$6	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:38
S11 7	1	"6169972".pn. and (speech\$4 or voic\$4) and lattic\$5 and (tranduc\$6 or microphon\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:38
S11 8	1	"6581033".pn. and lattic\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:50
S11 9	0	"6581033".pn. and relation\$7	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:50
S12 0	429	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:51
S12 1	48	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) and languag\$4 near model\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 15:51
S12 2	8	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) and languag\$4 near model\$5 same relation\$7	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:01
S12 3	18	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) same lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7)	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:02
S12 4	4	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near10 lattic\$5) and languag\$4 near model\$5 same relation\$7	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:01

## EAST Search History

S12 5	2	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7)	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:06
S12 6	2	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:19
S12 7	2	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:21
S12 8	2	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:21
S12 9	1	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 near server\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:22

## EAST Search History

S13 0	1	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 and server\$5	US-PGPUB; USPAT	OR	OFF	2005/04/27 16:23
S13 1	1	(speech\$4 or voic\$4) and ((concaten\$7 or link\$5 or combin\$7) near lattic\$5) and languag\$4 near model\$5 same (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7) and lattic\$5 same speech\$5 and (HMM or Markov\$4) and network\$4 and server\$5 and controll\$5	US-PGPUB; USPAT	OR	OFF	2006/01/18 20:23
S13 2	1	"5864810".pn. and (relation\$7 or connect\$6 or affiliat\$5 or relativ\$4 or correlat\$5 or ratio\$4 or relevan\$6 or pertinen\$7)	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:04
S13 3	1360	acoustic\$5 near environment\$6	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:05
S13 4	1006	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5)	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:05
S13 5	75	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (ASR or (automatic\$5 near speech\$5 with recogni\$7))	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:05
S13 6	3	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and rescor\$5	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:06
S13 7	6	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and re\$4scor\$5	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:07
S13 8	3	S137 not S136	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:06
S13 9	7	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and re\$4scor\$5	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:08

## EAST Search History

S14 0	650	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:08
S14 1	417	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:09
S14 2	4051	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 (ASR or (automatic\$5 near speech\$5 with recogni\$7))	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:09
S14 3	65	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 and (ASR or (automatic\$5 near speech\$5 with recogni\$7))	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:18
S14 4	6	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and re\$4scor\$4	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:19
S14 5	21	acoustic\$5 near environment\$6 and (microphon\$4 or transduc\$5) and (speech\$4 or voic\$4) and model\$5 and (ASR or (automatic\$5 near speech\$5 with recogni\$7)) and scor\$4	US-PGPUB; USPAT	OR	OFF	2005/04/28 06:29
S14 6	1	"6411927".pn. and model\$4	US-PGPUB; USPAT	OR	OFF	2005/04/28 08:14
S14 7	1	"6411927".pn. and model\$4 with speech\$5	US-PGPUB; USPAT	OR	OFF	2005/04/28 08:14
S14 8	407	latic\$4 and (speech\$4 voic\$4) same (field\$4 entrant\$4 entries\$4)	US-PGPUB; USPAT	OR	OFF	2006/01/17 17:32
S14 9	14	latic\$4 with (speech\$4 voic\$4) same (field\$4 entrant\$4 entries\$4)	US-PGPUB; USPAT	OR	OFF	2006/01/17 17:45
S15 0	33	concatenat\$5 with latic\$4	US-PGPUB; USPAT	OR	OFF	2006/01/17 17:46
S15 1	7864	(concatenat\$5 combin\$7 link\$4 join\$4 link\$4 coupl\$4 hing\$4 intergrat\$5) with latic\$4	US-PGPUB; USPAT	OR	OFF	2006/01/17 17:48
S15 2	60	(concatenat\$5 combin\$7 link\$4 join\$4 link\$4 coupl\$4 hing\$4 intergrat\$5) with latic\$4 same speech\$4	US-PGPUB; USPAT	OR	OFF	2006/01/17 17:49

## EAST Search History

S15 3	22	(concatenat\$5 combin\$7 link\$4 join\$4 link\$4 coupl\$4 hing\$4 intergrat\$5) near3 lattic\$4 same speech\$4	US-PGPUB; USPAT	OR	OFF	2006/01/17 17:50
S15 4	1	"6581033".pn.	US-PGPUB; USPAT	OR	OFF	2006/01/18 20:23
S15 5	1	"6581033".pn. and input\$5	US-PGPUB; USPAT	OR	OFF	2006/01/18 20:26
S15 6	4	re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7))	US-PGPUB; USPAT	OR	OFF	2006/04/03 19:47
S15 7	2	re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and lattic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 19:47
S15 8	0	re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and contatenat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/03 19:48
S15 9	0	re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and contetenat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/03 19:48
S16 0	2	re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and concatenat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:04
S16 1	2	re\$4scor\$4 with (ASR or (automatic\$4 near2 speech with recogni\$7)) and lattic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 19:49
S16 2	34	concatenat\$6 with lattic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:05
S16 3	276879	concatenat\$6 with lattic\$4 same (languag\$4 near4 model4)]	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:05
S16 4	1	concatenat\$6 with lattic\$4 same (languag\$4 near4 model\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:05
S16 5	7294	(concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:13
S16 6	13	((concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4) same (languag\$4 near4 model\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:13
S16 7	13	((concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4) same (languag\$4 near4 model\$4) and field\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:35
S16 8	1	((concatenat\$6 link\$4 combin\$7 couple\$4 join\$4) with lattic\$4) same (languag\$4 near4 model\$4) and (data\$4 information\$4) near4 field\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:14

## EAST Search History

S16 9	1	"6581033".pn. and field\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:37
S17 0	130763	(data information) near3 field\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:38
S17 1	93	(data information) near3 field\$4 same lattic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:38
S17 2	2	(data information) near3 field\$4 same lattic\$4 and languag\$4 near3 model\$6	US-PGPUB; USPAT	OR	OFF	2006/04/03 20:39
S17 3	0	("6581033" "5712957" "6411927" "5797485" "6304844").pn. and ("20020052742" "20020055844"). did.	US-PGPUB; USPAT	OR	OFF	2006/07/19 08:34
S17 4	7	("6581033" "5712957" "6411927" "5797485" "6304844").pn. or ("20020052742" "20020055844"). did.	US-PGPUB; USPAT	OR	OFF	2006/07/19 08:35
S17 5	2	("6581033" "5712957").did.	US-PGPUB; USPAT	OR	OFF	2006/07/19 08:35
S17 6	3	("6581033").pn" or "20020052742.did"	US-PGPUB; USPAT	OR	OFF	2006/07/19 08:35
S17 7	1	("6581033").pn. or "20020052742. did"	US-PGPUB; USPAT	OR	OFF	2006/07/19 08:36
S17 8	2	("6581033").pn. or "20020052742".did.	US-PGPUB; USPAT	OR	OFF	2006/07/19 08:36